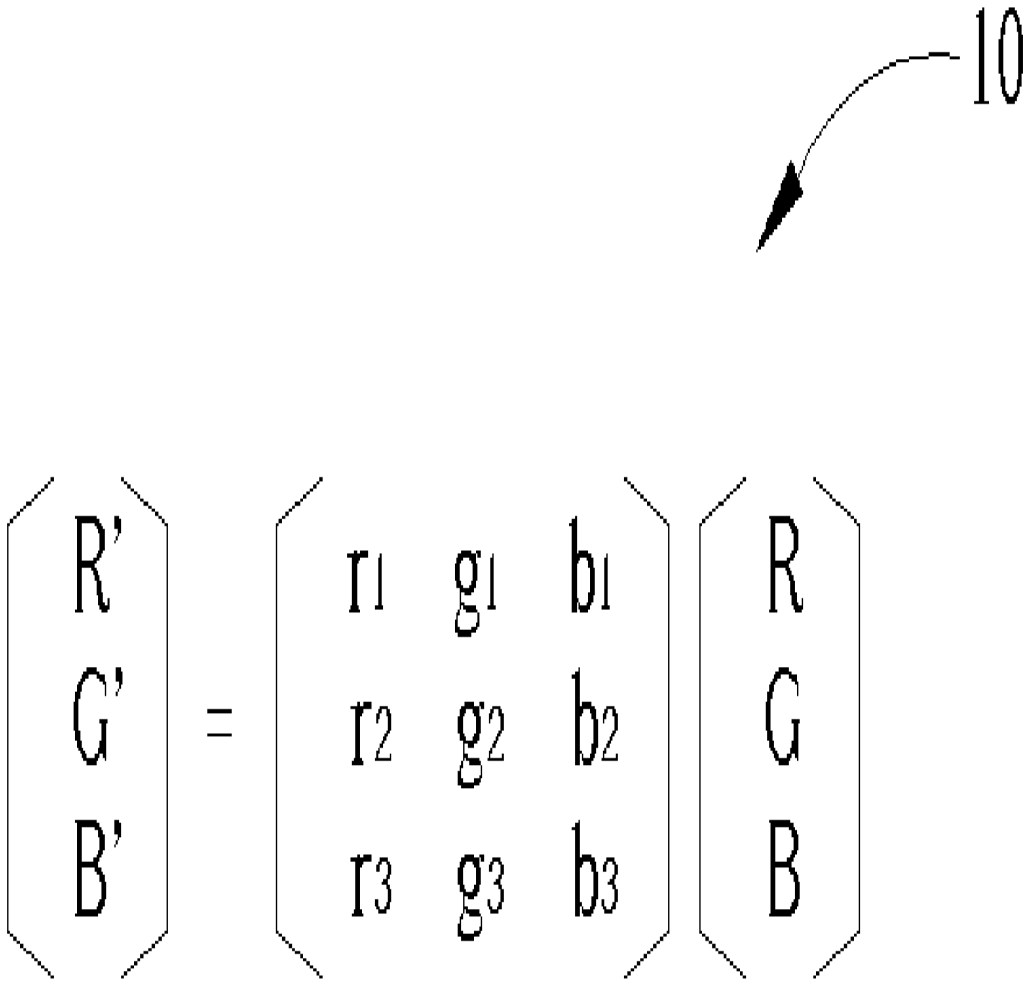

Fig. 1 Prior art

12

G Values	Output values: G*g1
0, 1, 2, 3, 4, 5, 6, 7	g1(0)
8, 9, 10, 11, 12, 13, 14, 15	g1(1)
16, 17, 18, 19, 20, 21, 22, 23	g1(2)
⋮	⋮
240, 241, 242, 243, 244, 245, 246, 247	g1(30)
248, 249, 250, 251, 252, 253, 254, 255	g1(31)

Fig. 2

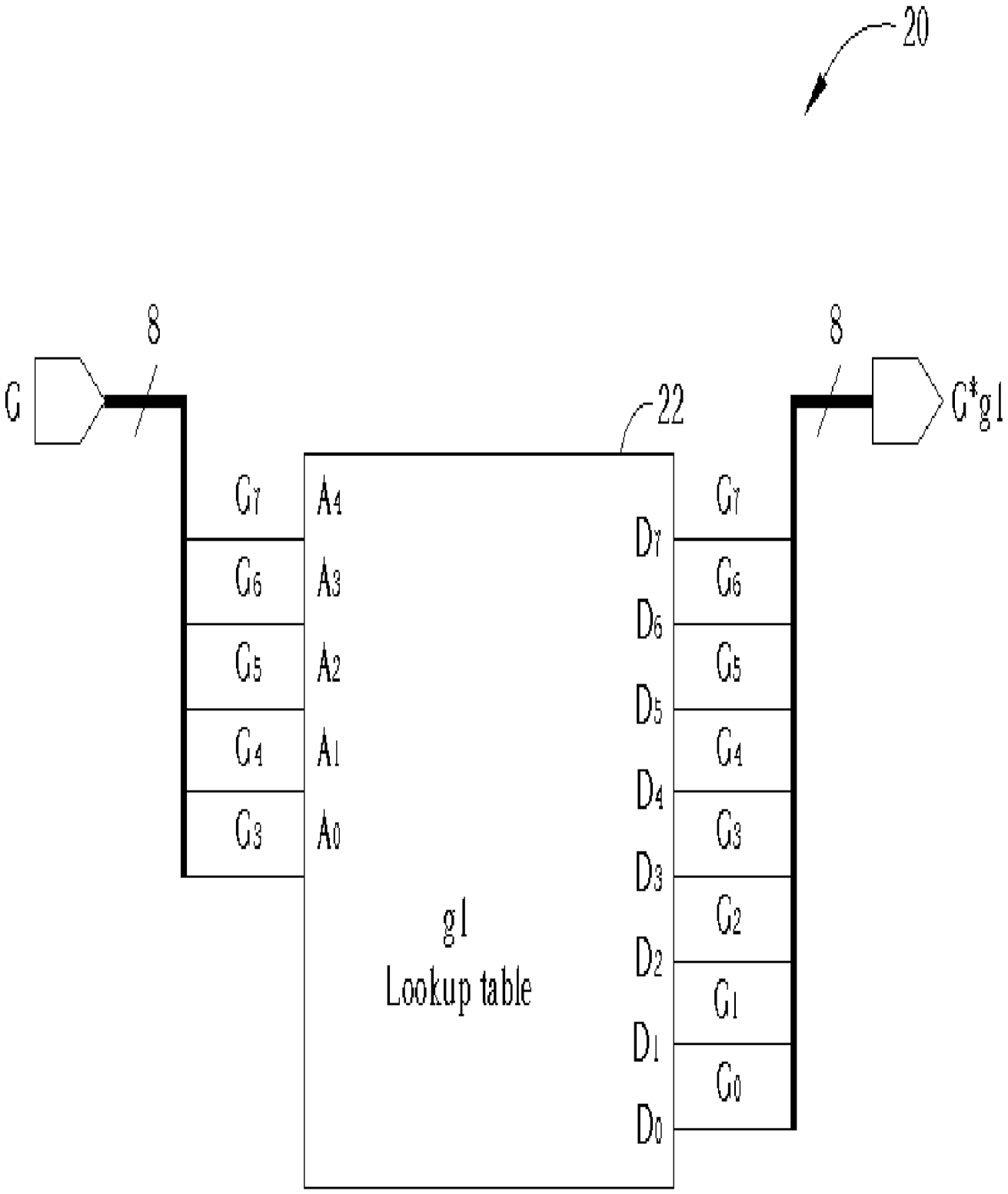
20
8
G
8
G*g1
22
G7
G6
G5
G4
G3
A4
A3
A2
A1
A0
g1
Lookup table
D7
D6
D5
D4
D3
D2
D1
D0
G7
G6
G5
G4
G3
G2
G1
G0

Fig. 3

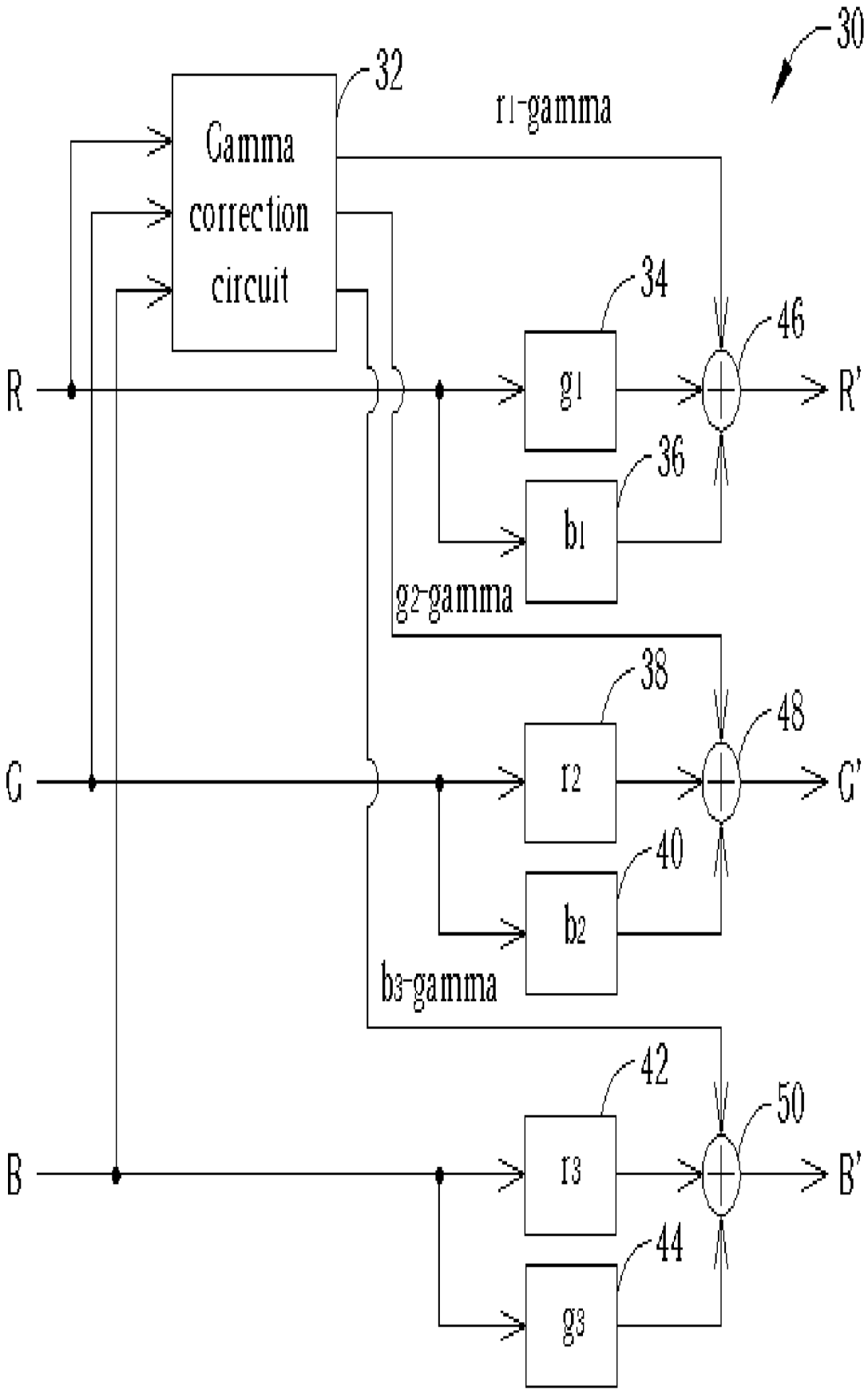
30
32
Gamma correction circuit
r1-gamma
34
g1
46
R
R'
36
b1
g2-gamma
38
r2
48
G
G'
40
b2
b3-gamma
42
r3
50
B
B'
44
g3

Fig. 4

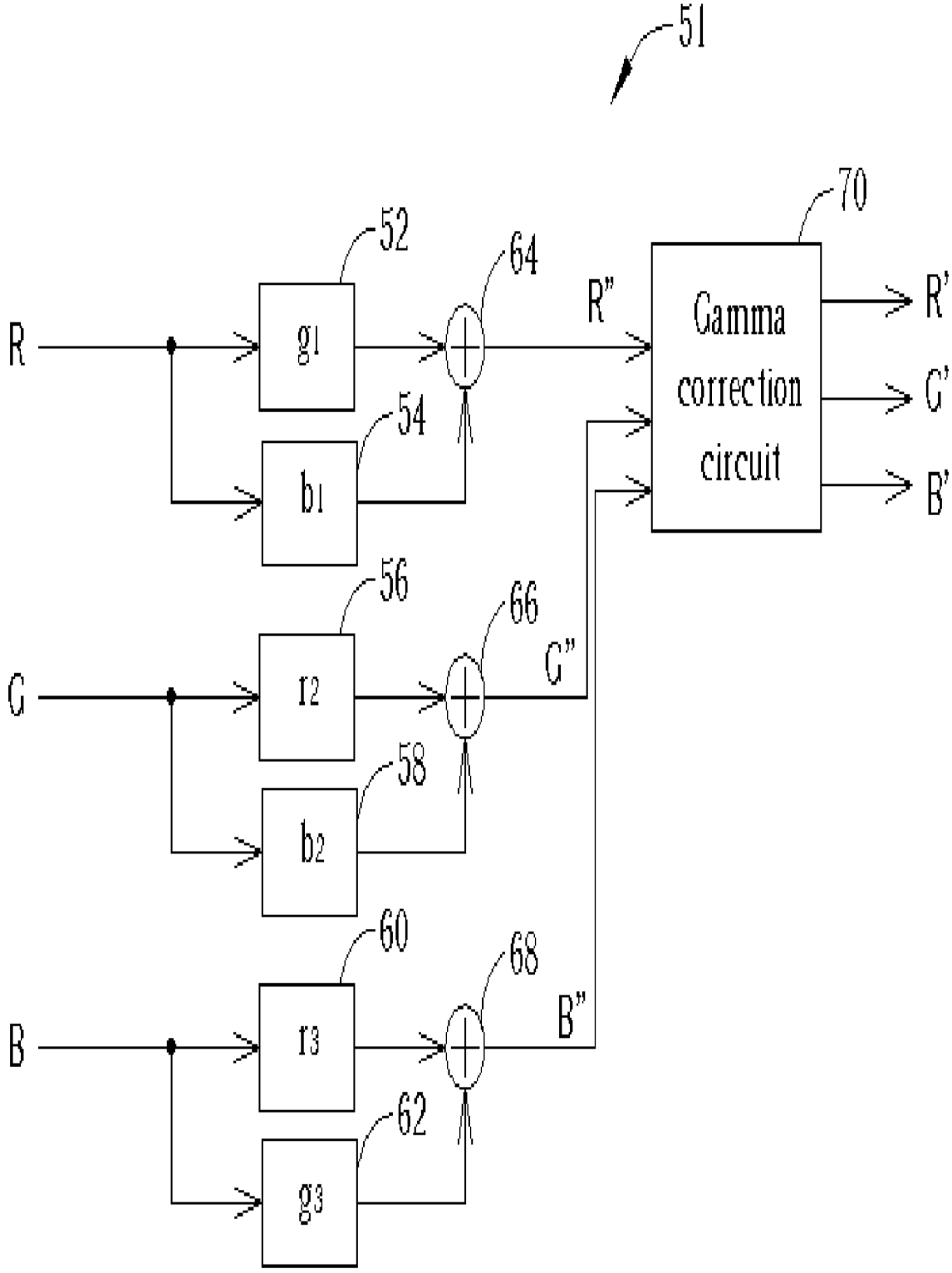
51
70
52
64
R
g1
R"
Gamma correction circuit
R'
G'
B'
54
b1
56
66
G
r2
G"
58
b2
60
68
B
r3
B"
62
g3

Fig. 5

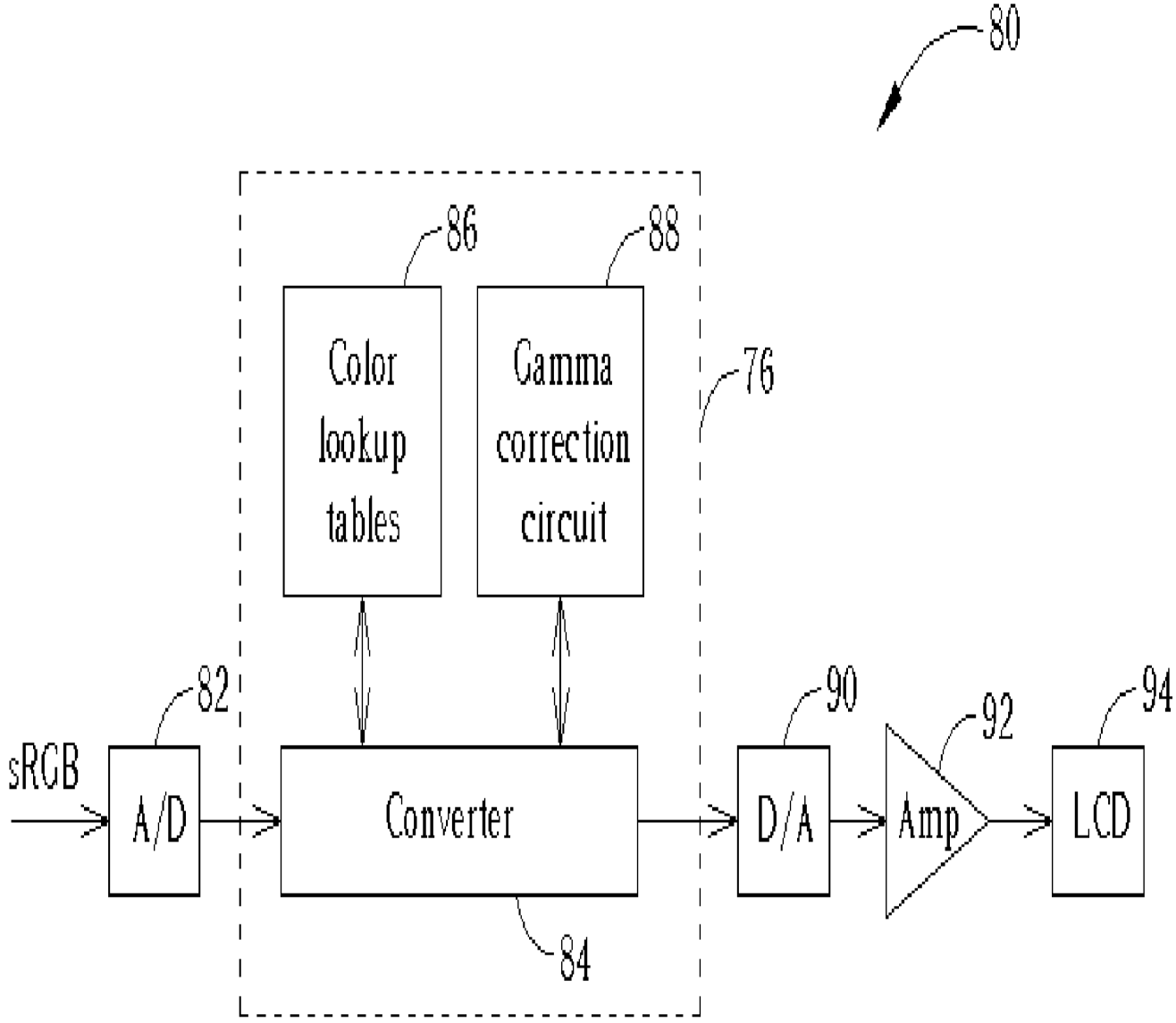
80
86
88
Color lookup tables
Gamma correction circuit
76
82
90
92
94
sRGB
A/D
Converter
D/A
Amp
LCD
84

Fig. 6

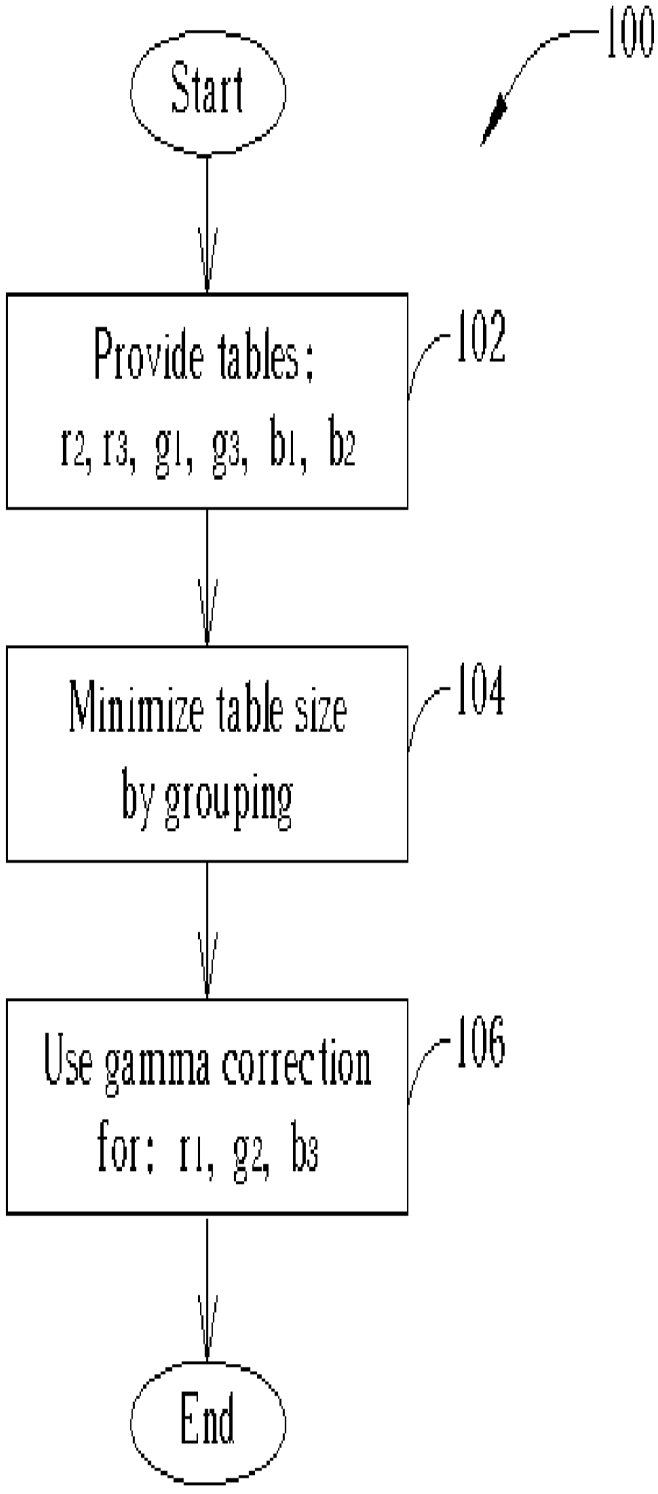
100
Start
Provide tables;
r2, r3, g1, g3, b1, b2
102
Minimize table size
by grouping
104
Use gamma correction
for: r1, g2, b3
106
End

Fig. 7